

CLASS 4-EVS Yearly Curriculum Year 2021-22

Theme 1- Water

Central Idea: Water is an important natural resource that requires conservation.

Lines of Inquiry:

- Sources and properties of water
- Uses of water
- Water cycle is a natural phenomenon
- Conservation of water (Rain water harvesting)

Theme 2- Physical Geography of India

Central Idea: Physical features, climate and location of the regions determine their resources

Lines of Inquiry:

- Globes and maps help us to study the geography of the world
- Climatic conditions of India
- Variability in resources across India
- Mapping the physical features and resources of India, Use of Atlas

Project 1- Our Heritage

Central Idea: Our country has rich and diverse natural and cultural heritage which is a source of pride

Lines of Inquiry:

- Diversity in India's natural heritage
- Diversity in India's cultural heritage
- India's national heritage
- Why we value our role models

Theme 3- Food and Nutrition

Central Idea: Understanding different components of food help us live a healthy life.

Lines of Inquiry:

- There are various components of food
- Various nutrients are related with different types of food
- We acquire deficiency diseases due to lack of certain nutrients
- Balanced diet, lifestyle and preservation of food is important

Theme 4- Body System – Digestive and Excretory Systems

Central Idea: Digestive and excretory systems are made up of different organs that are interconnected with each other to make them functional.

Lines of Inquiry:

- Digestive and excretory systems comprise of many organs
- Types and Structure of Teeth
- Inter-connectedness of digestive organs in the process of digestion, and of excretory organs in the process of excretion
- Maintaining healthy eating habits and preventing diseases

Theme 5- Rocks, Minerals and Soils

Central Idea: Rocks, minerals and soil are natural materials formed on Earth, which are important for our existence.

Lines of Inquiry:

- How rocks, minerals and soil are formed
- Types of rocks, minerals, soil and their composition
- Why we need rocks, minerals and soil

Project 2– Machines

Central Idea: We need different kinds of simple and complex machines to make our life easier.

Lines of Inquiry:

- Machines work on different principles (work, force, motion and friction)
- Machines are invented, created and modified for various uses
- Impact of machines on human life
- How simple machines are used to develop complex machines
- Work, force and energy are related
- Sources of energy

Theme 6- Our History

Central Idea: Human lifestyles and culture has developed over the course of history, from the ancient to the modern period.

Lines of Inquiry:

- How we can find out about our past
- Evolution of our history from Ancient to Modern Period
- How tools and artefacts lead to human advancement over time
- Rise of river valley civilisations in India

Theme 7- Living Kingdom – Plants, Animals and Insects

Central Idea: Plants, animals, and insects are adapted to their surroundings that help in maintaining a balance in the ecosystem.

Lines of Inquiry:

- Role of abiotic elements in the process of photosynthesis
- Plants and animals live in different habitats
- Plant-animals are interdependent
- Animals have a definite life cycle
- Benefits and adverse effects of insects as part of the human world